

David M Post

List of Publications by Citations

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106
papers

14,527
citations

44
h-index

108
g-index

108
ext. papers

16,429
ext. citations

6.2
avg, IF

7.04
L-index

#	Paper	IF	Citations
106	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS. <i>Ecology</i> , 2002 , 83, 703-718	4.6	3995
105	Getting to the fat of the matter: models, methods and assumptions for dealing with lipids in stable isotope analyses. <i>Oecologia</i> , 2007 , 152, 179-89	2.9	1609
104	Can stable isotope ratios provide for community-wide measures of trophic structure?. <i>Ecology</i> , 2007 , 88, 42-8	4.6	971
103	Detritus, trophic dynamics and biodiversity. <i>Ecology Letters</i> , 2004 , 7, 584-600	10	777
102	Applying stable isotopes to examine food-web structure: an overview of analytical tools. <i>Biological Reviews</i> , 2012 , 87, 545-62	13.5	726
101	Ecosystem size determines food-chain length in lakes. <i>Nature</i> , 2000 , 405, 1047-9	50.4	499
100	The long and short of food-chain length. <i>Trends in Ecology and Evolution</i> , 2002 , 17, 269-277	10.9	406
99	Eco-evolutionary feedbacks in community and ecosystem ecology: interactions between the ecological theatre and the evolutionary play. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 1629-40	5.8	388
98	The ecological importance of intraspecific variation. <i>Nature Ecology and Evolution</i> , 2018 , 2, 57-64	12.3	326
97	Rapid evolution revealed by dormant eggs. <i>Nature</i> , 1999 , 401, 446-446	50.4	290
96	Studying invasion: have we missed the boat?. <i>Ecology Letters</i> , 2005 , 8, 715-721	10	213
95	Intraspecific variation in a predator affects community structure and cascading trophic interactions. <i>Ecology</i> , 2008 , 89, 2019-32	4.6	211
94	Ecology under lake ice. <i>Ecology Letters</i> , 2017 , 20, 98-111	10	202
93	Natural selection for grazer resistance to toxic cyanobacteria: evolution of phenotypic plasticity?. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 2203-14	3.8	194
92	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS. <i>Ecology</i> , 2003 , 84, 1298-1310	4.6	181
91	The role of discharge variation in scaling of drainage area and food chain length in rivers. <i>Science</i> , 2010 , 330, 965-7	33.3	164
90	PREY PREFERENCE BY A TOP PREDATOR AND THE STABILITY OF LINKED FOOD CHAINS. <i>Ecology</i> , 2000 , 81, 8-14	4.6	154

89	Rapid and widespread vegetation responses to past climate change in the North Atlantic region. <i>Geology</i> , 2002 , 30, 971	5	132
88	Experimental evidence that phenotypic divergence in predators drives community divergence in prey. <i>Ecology</i> , 2009 , 90, 300-5	4.6	124
87	Proximate structural mechanisms for variation in food-chain length. <i>Oikos</i> , 2007 , 116, 775-782	4	115
86	The Role of Migratory Waterfowl as Nutrient Vectors in a Managed Wetland. <i>Conservation Biology</i> , 1998 , 12, 910-920	6	109
85	Interactions among adult demography, spawning date, growth rate, predation, overwinter mortality, and the recruitment of largemouth bass in a northern lake. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998 , 55, 2588-2600	2.4	107
84	Biological Control of Eutrophication in Lakes. <i>Environmental Science & Technology</i> , 1995 , 29, 784-786	0.3	103
83	Independent evolutionary origins of landlocked alewife populations and rapid parallel evolution of phenotypic traits. <i>Molecular Ecology</i> , 2008 , 17, 582-97	5.7	98
82	Chlorophyll Variability, Nutrient Input, and Grazing: Evidence from Whole- Lake Experiments. <i>Ecology</i> , 1996 , 77, 725-735	4.6	98
81	The problem of isotopic baseline: Reconstructing the diet and trophic position of fossil animals. <i>Earth-Science Reviews</i> , 2011 , 106, 131-148	10.2	92
80	The problem of boundaries in defining ecosystems: A potential landmine for uniting geomorphology and ecology. <i>Geomorphology</i> , 2007 , 89, 111-126	4.3	90
79	Nutrient cycling at the landscape scale: The role of diel foraging migrations by geese at the Bosque del Apache National Wildlife Refuge, New Mexico. <i>Limnology and Oceanography</i> , 1999 , 44, 828-836	4.8	88
78	The hippopotamus conveyor belt: vectors of carbon and nutrients from terrestrial grasslands to aquatic systems in sub-Saharan Africa. <i>Freshwater Biology</i> , 2015 , 60, 512-525	3.1	85
77	QUANTIFYING PERIODIC, STOCHASTIC, AND CATASTROPHIC ENVIRONMENTAL VARIATION. <i>Ecological Monographs</i> , 2008 , 78, 19-40	9	83
76	How low can you go? Impacts of a low-flow disturbance on aquatic insect communities 2011 , 21, 163-74		82
75	Annual mass drownings of the Serengeti wildebeest migration influence nutrient cycling and storage in the Mara River. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7647-7652	11.5	77
74	Environmental determinants of food-chain length: a meta-analysis. <i>Ecological Research</i> , 2013 , 28, 675-681	0.9	77
73	Anadromous alewives (<i>Alosa pseudoharengus</i>) contribute marine-derived nutrients to coastal stream food webs. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009 , 66, 439-448	2.4	77
72	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. <i>GigaScience</i> , 2017 , 6, 1-22	7.6	75

71	A cascade of evolutionary change alters consumer-resource dynamics and ecosystem function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 3184-92	4.4	69
70	ECOSYSTEM SIZE, BUT NOT DISTURBANCE, DETERMINES FOOD-CHAIN LENGTH ON ISLANDS OF THE BAHAMAS. <i>Ecology</i> , 2008 , 89, 3001-3007	4.6	62
69	An experimental disturbance alters fish size structure but not food chain length in streams. <i>Ecology</i> , 2008 , 89, 3261-7	4.6	60
68	Context dependency of animal resource subsidies. <i>Biological Reviews</i> , 2019 , 94, 517-538	13.5	55
67	Cyclic dynamics of a yellow perch (<i>Perca flavescens</i>) population in an oligotrophic lake: evidence for the role of intraspecific interactions. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999 , 56, 1534-1542	2.4	54
66	Interpopulation variation in a fish predator drives evolutionary divergence in prey in lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 2628-37	4.4	53
65	Nutrient loading by anadromous alewife (<i>Alosa pseudoharengus</i>): contemporary patterns and predictions for restoration efforts. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010 , 67, 1211-1220	2.4	49
64	Local adaptation in transgenerational responses to predators. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	45
63	The impact of double-crested cormorant (<i>Phalacrocorax auritus</i>) predation on anadromous alewife (<i>Alosa pseudoharengus</i>) in south-central Connecticut, USA. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009 , 66, 177-186	2.4	45
62	Marine resource flows to terrestrial arthropod predators on a temperate island: the role of subsidies between systems of similar productivity. <i>Oecologia</i> , 2008 , 157, 653-9	2.9	44
61	Combining genetic and demographic information to prioritize conservation efforts for anadromous alewife and blueback herring. <i>Evolutionary Applications</i> , 2014 , 7, 212-26	4.8	42
60	Food chains in freshwaters. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1162, 187-220	6.5	42
59	Morphological Constraints on Intracohort Cannibalism in Age-0 Largemouth Bass. <i>Transactions of the American Fisheries Society</i> , 1996 , 125, 809-812	1.7	39
58	Organic matter loading by hippopotami causes subsidy overload resulting in downstream hypoxia and fish kills. <i>Nature Communications</i> , 2018 , 9, 1951	17.4	38
57	Effects of productivity, disturbance, and ecosystem size on food-chain length: insights from a metacommunity model of intraguild predation. <i>Ecological Research</i> , 2012 , 27, 481-493	1.9	36
56	Seasonal effects of variable recruitment of a dominant piscivore on pelagic food web structure. <i>Limnology and Oceanography</i> , 1997 , 42, 722-729	4.8	36
55	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE? REPLY. <i>Ecology</i> , 2008 , 89, 2358-2359	4.6	29
54	Upward Adaptive Radiation Cascades: Predator Diversification Induced by Prey Diversification. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 59-70	10.9	28

53	Recent parallel divergence in body shape and diet source of alewife life history forms. <i>Evolutionary Ecology</i> , 2013 , 27, 1175-1187	1.8	27
52	Genetic stock composition of marine bycatch reveals disproportional impacts on depleted river herring genetic stocks. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016 , 73, 951-963	2.4	26
51	The impact of intraspecific variation in a fish predator on the evolution of phenotypic plasticity and investment in sex in <i>Daphnia ambigua</i> . <i>Journal of Evolutionary Biology</i> , 2012 , 25, 80-9	2.3	25
50	The influence of a semi-arid sub-catchment on suspended sediments in the Mara River, Kenya. <i>PLoS ONE</i> , 2018 , 13, e0192828	3.7	25
49	Impacts of warming revealed by linking resource growth rates with consumer functional responses. <i>Journal of Animal Ecology</i> , 2016 , 85, 671-80	4.7	25
48	Nutrient Excretion Rates of Anadromous Alewives during Their Spawning Migration. <i>Transactions of the American Fisheries Society</i> , 2009 , 138, 264-268	1.7	24
47	Organic matter and nutrient inputs from large wildlife influence ecosystem function in the Mara River, Africa. <i>Ecology</i> , 2018 , 99, 2558-2574	4.6	24
46	A global database of nitrogen and phosphorus excretion rates of aquatic animals. <i>Ecology</i> , 2017 , 98, 1475-1486	4.6	23
45	Reconciling the role of terrestrial leaves in pond food webs: a whole-ecosystem experiment. <i>Ecology</i> , 2016 , 97, 1771-1782	4.6	22
44	The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. <i>Biological Conservation</i> , 2014 , 170, 137-144	6.2	21
43	Intraspecific phenotypic variation in a fish predator affects multitrophic lake metacommunity structure. <i>Ecology and Evolution</i> , 2013 , 3, 5031-44	2.8	21
42	Historical changes in nutrient inputs from humans and anadromous fishes in New England's coastal watersheds. <i>Limnology and Oceanography</i> , 2013 , 58, 1286-1300	4.8	20
41	Morphological responses by <i>Bosmina longirostris</i> and <i>Eubosmina tubicen</i> to changes in copepod predator populations during a whole-lake acidification experiment. <i>Journal of Plankton Research</i> , 1995 , 17, 1621-1632	2.2	20
40	Consumer interaction strength may limit the diversifying effect of intraspecific competition: a test in alewife (<i>Alosa pseudoharengus</i>). <i>American Naturalist</i> , 2013 , 181, 815-26	3.7	19
39	Nutrient loading by anadromous fishes: species-specific contributions and the effects of diversity. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017 , 74, 609-619	2.4	18
38	Eco-Evolutionary Feedbacks Drive Niche Differentiation in the Alewife. <i>Biological Theory</i> , 2011 , 6, 211-219	4.7	18
37	Hippos (): The animal silicon pump. <i>Science Advances</i> , 2019 , 5, eaav0395	14.3	17
36	Intraspecific variation in a predator drives cascading variation in primary producer community composition. <i>Oikos</i> , 2013 , 122, 1343-1349	4	17

35	Contribution of Declining Anadromous Fishes to the Reproductive Investment of a Common Piscivorous Seabird, the Double-Crested Cormorant (<i>Phalacrocorax auritus</i>). <i>Auk</i> , 2010 , 127, 696-703	2.1	17
34	Emergence of a novel prey life history promotes contemporary sympatric diversification in a top predator. <i>Nature Communications</i> , 2015 , 6, 8115	17.4	16
33	Animal regeneration and microbial retention of nitrogen along coastal rocky shores. <i>Ecology</i> , 2014 , 95, 2803-2814	4.6	15
32	Phytoplankton composition modifies predator-driven life history evolution in <i>Daphnia</i> . <i>Evolutionary Ecology</i> , 2014 , 28, 397-411	1.8	14
31	Testing the productive-space hypothesis: rational and power. <i>Oecologia</i> , 2007 , 153, 973-84	2.9	14
30	Does intraspecific competition promote variation? A test via synthesis. <i>Ecology and Evolution</i> , 2016 , 6, 1646-55	2.8	14
29	Intraspecific phenotypic variation among alewife populations drives parallel phenotypic shifts in bluegill. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	13
28	Hippopotamus are distinct from domestic livestock in their resource subsidies to and effects on aquatic ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20193000	4.4	12
27	A 2000-year sediment record reveals rapidly changing sedimentation and land use since the 1960s in the Upper Mara-Serengeti Ecosystem. <i>Science of the Total Environment</i> , 2019 , 664, 148-160	10.2	11
26	Contemporary trait change in a classic ecological experiment: rapid decrease in alewife gill-raker spacing following introduction to an inland lake. <i>Freshwater Biology</i> , 2014 , 59, 1897-1901	3.1	11
25	Size matters: comparing stable isotope ratios of tissue plugs and whole organisms. <i>Limnology and Oceanography: Methods</i> , 2010 , 8, 348-351	2.6	11
24	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS 2002 , 83, 703		11
23	Cladoceran remains reveal presence of a keystone size-selective planktivore. <i>Journal of Paleolimnology</i> , 2013 , 49, 253-266	2.1	10
22	Ecological Effects of Intraspecific Consumer Biodiversity for Aquatic Communities and Ecosystems 2015 , 37-51		9
21	The evolution of eye size in response to increased fish predation in <i>Daphnia</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2019 , 73, 792-802	3.8	8
20	Ammonium cycling in the rocky intertidal: Remineralization, removal, and retention. <i>Limnology and Oceanography</i> , 2014 , 59, 361-372	4.8	7
19	Restoration-mediated secondary contact leads to introgression of alewife ecotypes separated by a colonial-era dam. <i>Evolutionary Applications</i> , 2020 , 13, 652-664	4.8	7
18	NEOTROPICAL ALIEN MAMMALS: a data set of occurrence and abundance of alien mammals in the Neotropics. <i>Ecology</i> , 2020 , 101, e03115	4.6	7

17	Alternative Biogeochemical States of River Pools Mediated by Hippo Use and Flow Variability. <i>Ecosystems</i> , 2021 , 24, 284-300	3.9	7
16	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE? 2007 , 88, 42		6
15	Proximate structural mechanisms for variation in food-chain length 2007 , 116, 775		5
14	Potential ecological and socio-economic effects of a novel megaherbivore introduction: the hippopotamus in Colombia. <i>Oryx</i> , 2021 , 55, 105-113	1.5	5
13	Evaluating the potential for prezygotic isolation and hybridization between landlocked and anadromous alewife () following secondary contact. <i>Evolutionary Applications</i> , 2018 , 11, 1554-1566	4.8	5
12	Spatial trophic variability of a coastal apex predator, the giant trevally <i>Caranx ignobilis</i> , in the western Indian Ocean. <i>Marine Ecology - Progress Series</i> , 2020 , 641, 195-208	2.6	4
11	A River of Bones: Wildebeest Skeletons Leave a Legacy of Mass Mortality in the Mara River, Kenya. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3.7	3
10	Animal legacies lost and found in river ecosystems. <i>Environmental Research Letters</i> , 2021 , 16, 115011	6.2	3
9	Temporal resource partitioning of wildebeest carcasses by scavengers after riverine mass mortality events. <i>Ecosphere</i> , 2021 , 12, e03326	3.1	3
8	Managing the emergence of pathogen resistance via spatially targeted antimicrobial use. <i>Evolutionary Applications</i> , 2018 , 11, 1822-1841	4.8	3
7	Evolutionary history of drives divergence in grazing selectivity and alters temporal community dynamics of producers. <i>Ecology and Evolution</i> , 2018 , 8, 859-865	2.8	2
6	Life history traits and functional processes generate multiple pathways to ecological stability. <i>Ecology</i> , 2018 , 99, 5-12	4.6	2
5	Incidence and phenotypic variation in alewife alter the ontogenetic trajectory of young-of-the-year largemouth bass. <i>Oikos</i> , 2018 , 127, 1800-1811	4	2
4	The interplay between host community structure and pathogen life-history constraints in driving the evolution of host-range shifts. <i>Functional Ecology</i> , 2019 , 33, 2338-2353	5.6	1
3	The meta-gut: community coalescence of animal gut and environmental microbiomes. <i>Scientific Reports</i> , 2021 , 11, 23117	4.9	1
2	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS 2003 , 84, 1298		1
1	The meta-gut: Hippo inputs lead to community coalescence of animal and environmental microbiomes		1